

WHAT IS CLAIMED IS.

1. (currently amended) A method for sawing pieces of wood in a sawing station, the method comprising the steps of:

- a) measuring the pieces of wood in a measuring station;
- b) sequentially transporting the pieces of wood from the measuring station to a sawing station;
- c) cutting the pieces of wood in the sawing station into at least two sections based on measured results taken in step a);

wherein in the step b) a second piece of wood that trails immediately a first piece of wood being cut in the sawing station is already transported into the sawing station while the first piece of wood is still being cut;

wherein in the step b) a feeding velocity of the second piece of wood is ~~selected~~ controlled by a control unit such that the second piece of wood does not contact the first piece of wood within the sawing station.

2. (canceled)

3. (currently amended) The method according to claim 1 [[2]], wherein, in the step of controlling, the feeding velocity of the second piece of wood is controlled variably.

4. (currently amended) The method according to claim 1 [[2]], wherein, in the step of controlling, the feeding velocity of the second piece of wood is continuously recalculated in a control unit.

5. (original) The method according to claim 4, further comprising the step of continuously monitoring a position of the pieces of wood, wherein the control unit recalculates the feeding velocity based on the continuously monitored positions of the pieces of wood.

6. (currently amended) The method according to claim 1 [[2]], wherein a feeding velocity of the second piece of wood is controlled so as to minimize ~~abetween a~~ distance between the first and second pieces of wood.

7. (original) The method according to claim 1, wherein, in the step a), a length of the pieces of wood is measured.

8. (currently amended) The method according to claim 1, wherein, in the step a), ~~a quality defects~~ of the pieces of wood are ~~is~~ measured.

9. (original) The method according to claim 1, further comprising the step of saving the measured results.

10. (original) The method according to claim 9, further comprising the step of controlling the feeding velocity of the second piece of wood, wherein the measured results that are saved are used for controlling the feeding velocity.

11. (original) The method according to claim 1, wherein in the step b) the second pieces of wood are supplied without interruption to the sawing station.

12. (original) The method according to claim 1, further comprising the step of decoupling a drive for transporting the pieces of wood to the sawing station from a drive of the sawing station.

13. (new) A method for sawing pieces of wood in a sawing station, the method comprising the steps of:

a) measuring the pieces of wood in a measuring station;

b) sequentially transporting the pieces of wood from the measuring station to a sawing station;

c) cutting the pieces of wood in the sawing station into at least two sections based on measured results taken in step a);

wherein in the step b) a second piece of wood that trails immediately a first piece of wood being cut in the sawing station is already transported into the sawing station while the first piece of wood is still being cut;

wherein in the step b) a feeding velocity of the second piece of wood is controlled such that the second piece of wood does not contact within the sawing station the first piece of wood and a spacing of an end face of the second piece of wood relative to a trailing end face of the first piece of wood is minimized.

14. (new) A method for sawing pieces of wood in a sawing station, the method comprising the steps of:

a) measuring the pieces of wood in a measuring station;

b) sequentially transporting the pieces of wood from the measuring station to a

sawing station;

c) cutting the pieces of wood in the sawing station into at least two sections based on measured results taken in step a);

wherein in the step b) a second piece of wood that trails immediately a first piece of wood being cut in the sawing station is already transported into the sawing station while the first piece of wood is still being cut;

wherein in the step b) a feeding velocity of the second piece of wood is selected such that the second piece of wood does not contact within the sawing station the first piece of wood and a spacing of an end face of the second piece of wood relative to a trailing end face of the first piece of wood is minimized, and wherein the feeding velocity of the second piece of wood is controlled as a function of a position of the trailing end face of the first piece of wood within the sawing station.